Understanding Ohio's Regional Economies

Larry Less, Workforce Research
Bureau of Labor Market Information
ODJFS/Office of Workforce Development

Workforce Information Driving Regional Economies
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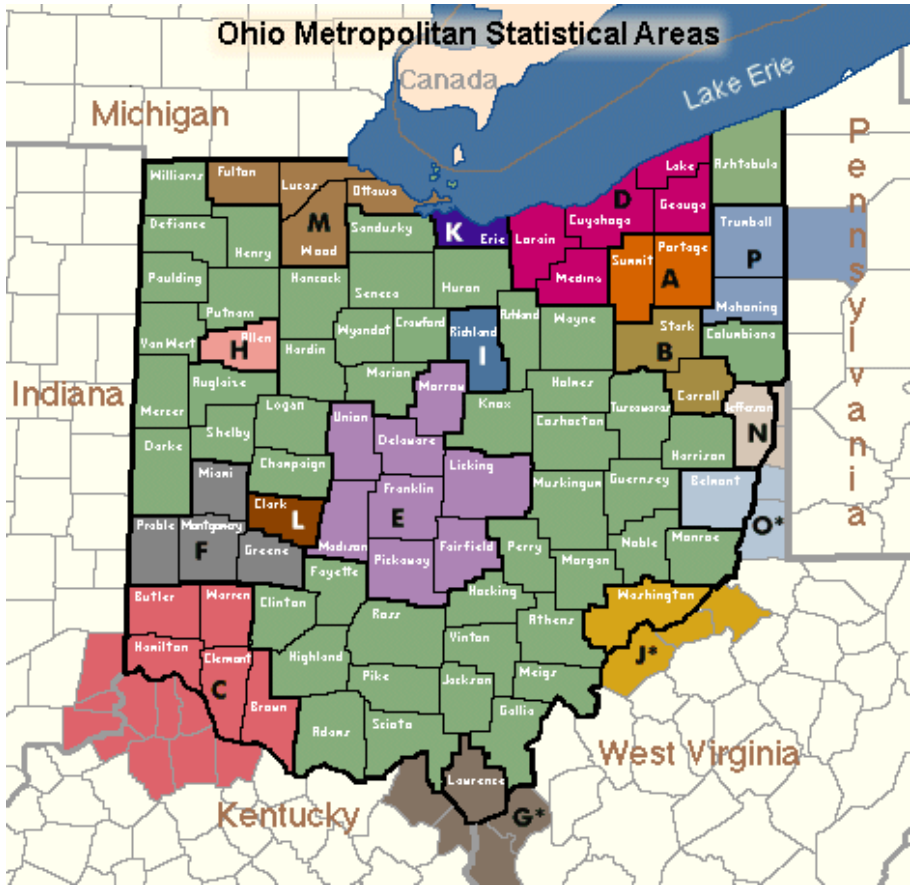
Ohio's Business Principles for Workforce Development

- Partner with the workforce and economic development communities.
- Develop and deploy new information solution tools and systems for the workforce and economic development communities.
- Provide products and services that are customer and demand driven.
- Be known as an important and reliable source for information solutions that support workforce development goals and outcomes.

Overview

- Substate regions in Ohio
- Workforce Analysis Reports: substate statistics at work for WIAs
- Resources and value added for substate statistics
- Issues in presenting substate data
- Additional resources

Ohio's Metropolitan Statistical Areas (MSAs)



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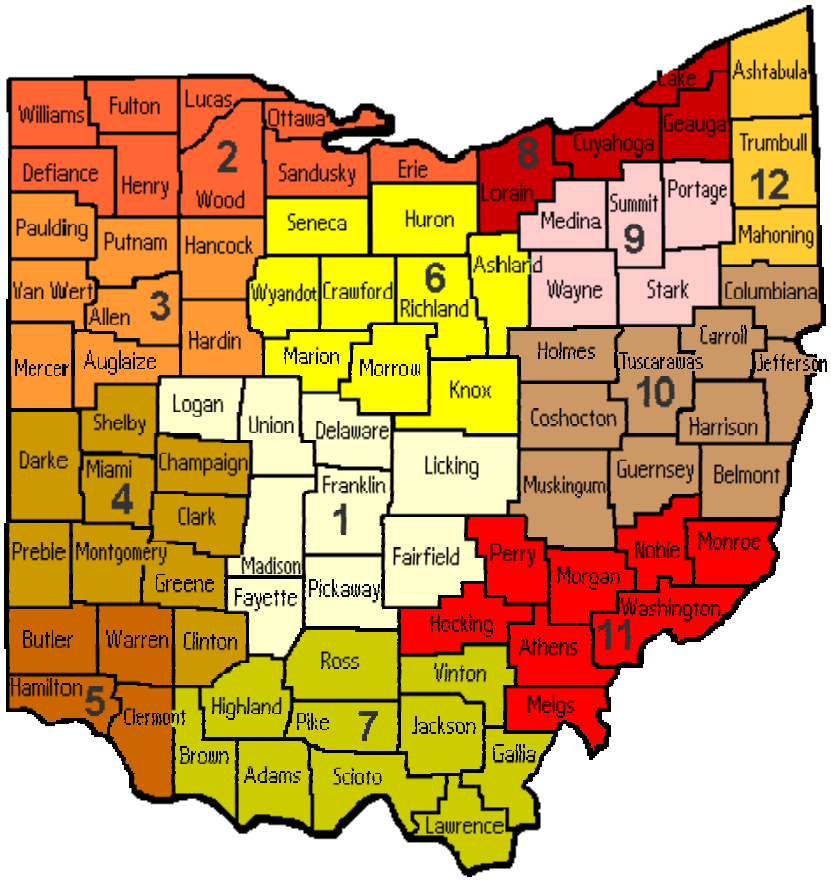
Ohio's Economic Development Regions (EDRs)



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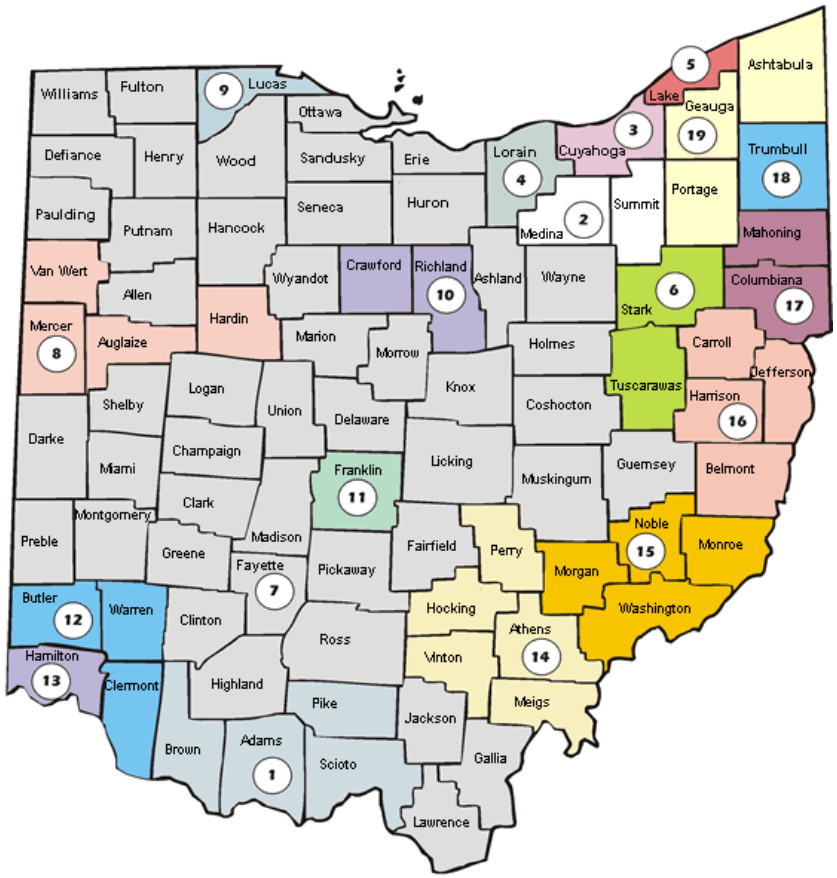
Ohio's Workforce Investment Areas



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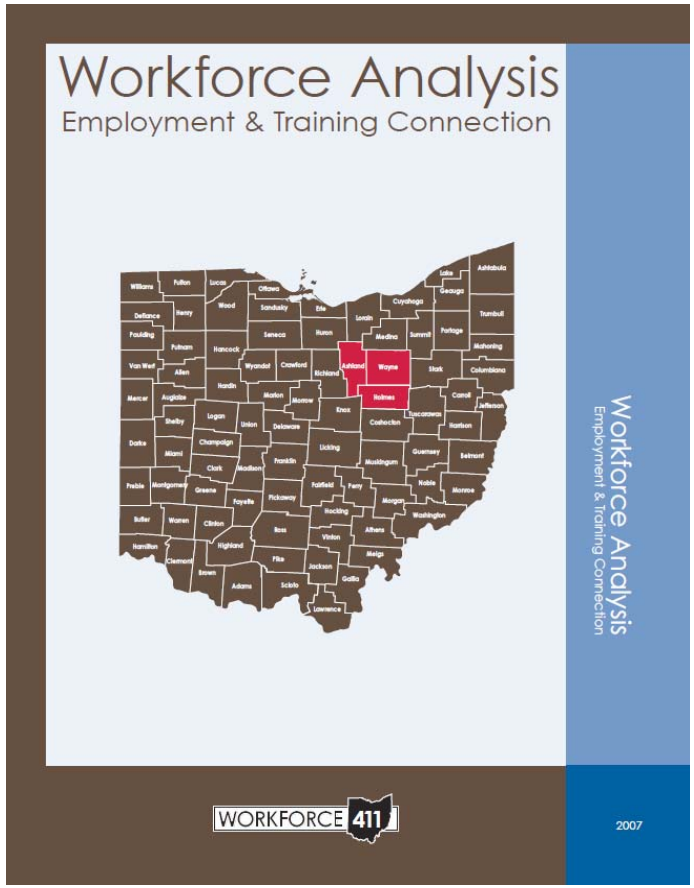
Substate Data at Work: Workforce Analysis

- In early 2007, LMI published Workforce Analysis reports for Ohio's 19 Workforce Investment Areas, including all 12 One-Stop systems in WIA 7
- Custom-focused our statistics for each area
- Examples from the *Employment & Training Connection*— Ashland, Holmes and Wayne Counties



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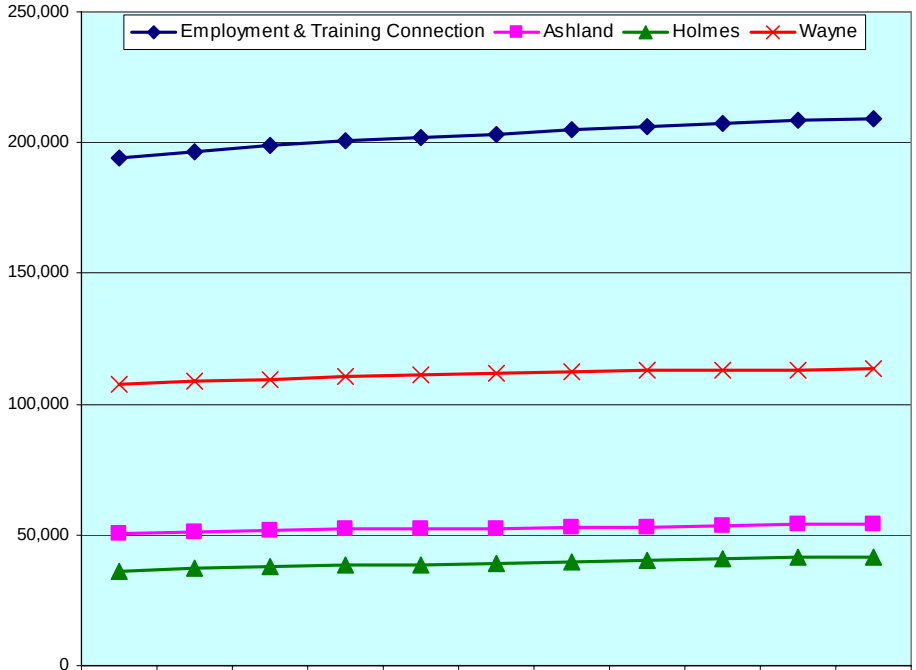
Population

Notice the aggregate series of figures



	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Employment & Training Connection	194,251	196,684	198,662	200,500	202,216	203,330	204,881	206,347	207,522	208,275	209,387
Ashland	50,581	51,047	51,508	52,013	52,431	52,570	52,837	53,168	53,671	53,897	54,123
Holmes	36,326	37,005	37,576	38,173	38,594	39,059	39,800	40,364	40,707	41,209	41,567
Wayne	107,344	108,632	109,578	110,314	111,191	111,701	112,244	112,815	113,144	113,169	113,697

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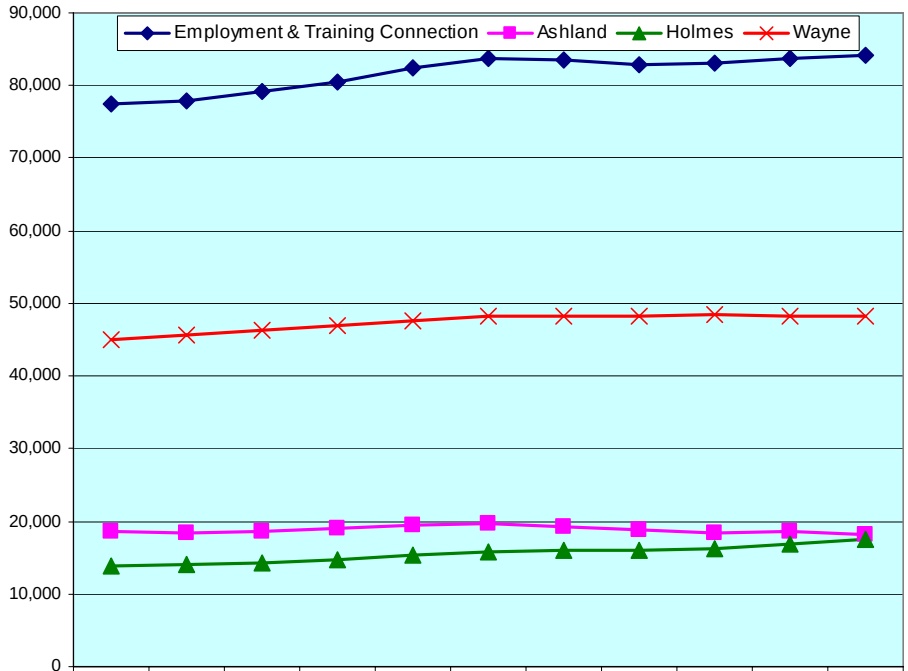
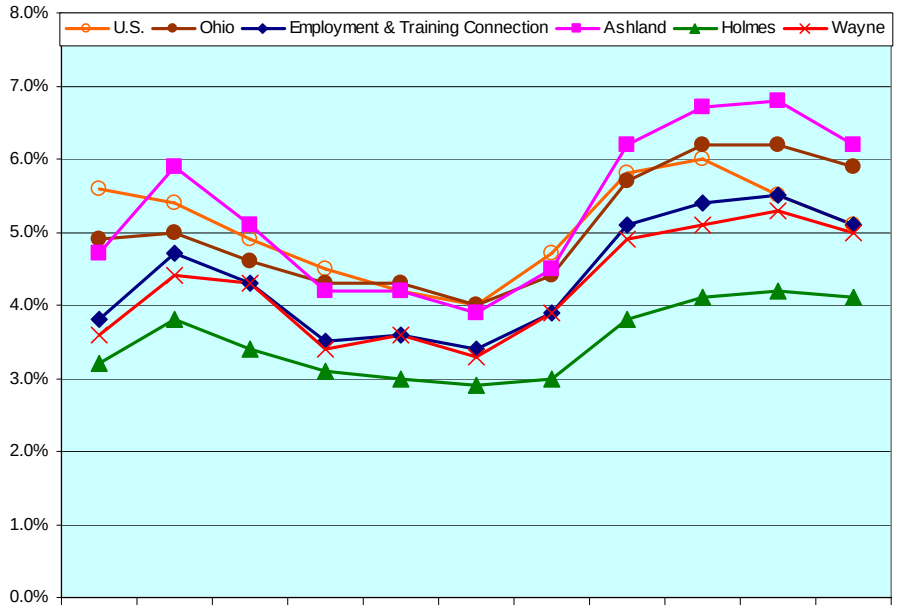
Employment



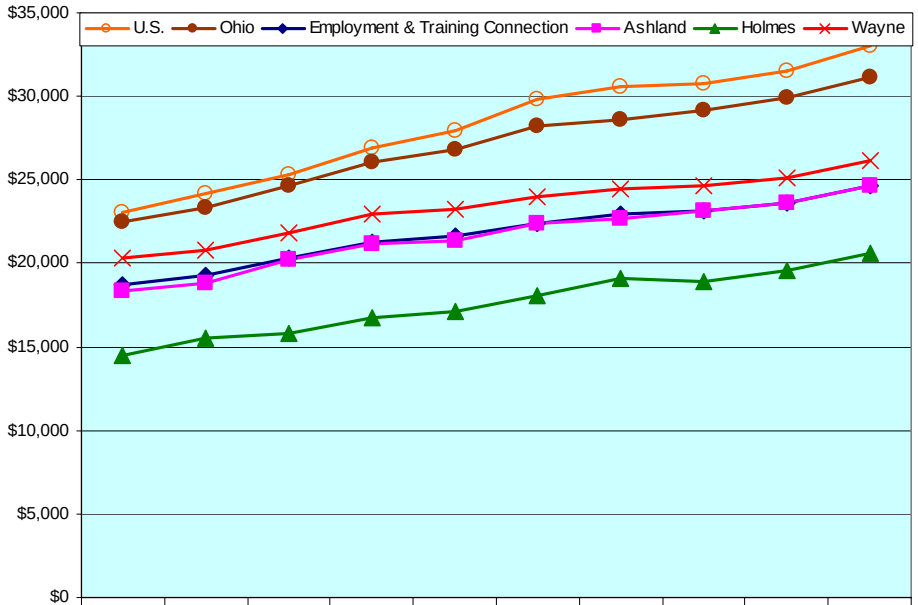
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Employment & Training Connection	77,381	77,953	79,177	80,566	82,490	83,747	83,535	82,946	83,153	83,701	84,078
Ashland	18,659	18,328	18,589	18,978	19,440	19,616	19,215	18,730	18,410	18,506	18,259
Holmes	13,764	14,071	14,327	14,674	15,365	15,846	16,054	16,026	16,321	16,932	17,491
Wayne	44,958	45,554	46,261	46,914	47,685	48,285	48,266	48,190	48,422	48,263	48,328

Unemployment



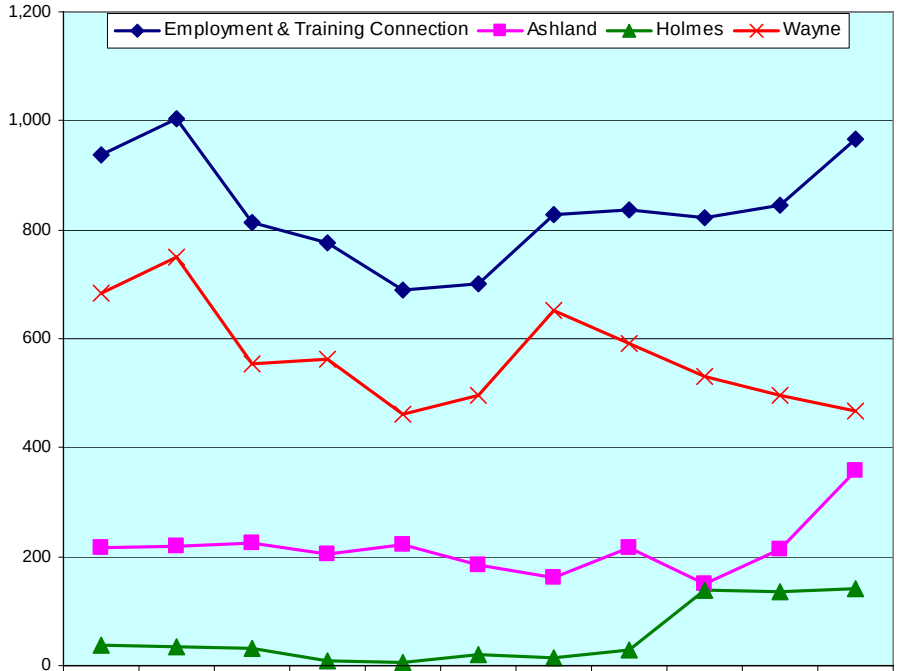
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
U.S.	5.6%	5.4%	4.9%	4.5%	4.2%	4.0%	4.7%	5.8%	6.0%	5.5%	5.1%
Ohio	4.9%	5.0%	4.6%	4.3%	4.3%	4.0%	4.4%	5.7%	6.2%	6.2%	5.9%
Employment & Training Connection	3.8%	4.7%	4.3%	3.5%	3.6%	3.4%	3.9%	5.1%	5.4%	5.5%	5.1%
Ashland	4.7%	5.9%	5.1%	4.2%	4.2%	3.9%	4.5%	6.2%	6.7%	6.8%	6.2%
Holmes	3.2%	3.8%	3.4%	3.1%	3.0%	2.9%	3.0%	3.8%	4.1%	4.2%	4.1%
Wayne	3.6%	4.4%	4.3%	3.4%	3.6%	3.3%	3.9%	4.9%	5.1%	5.3%	5.0%

Per Capita Income



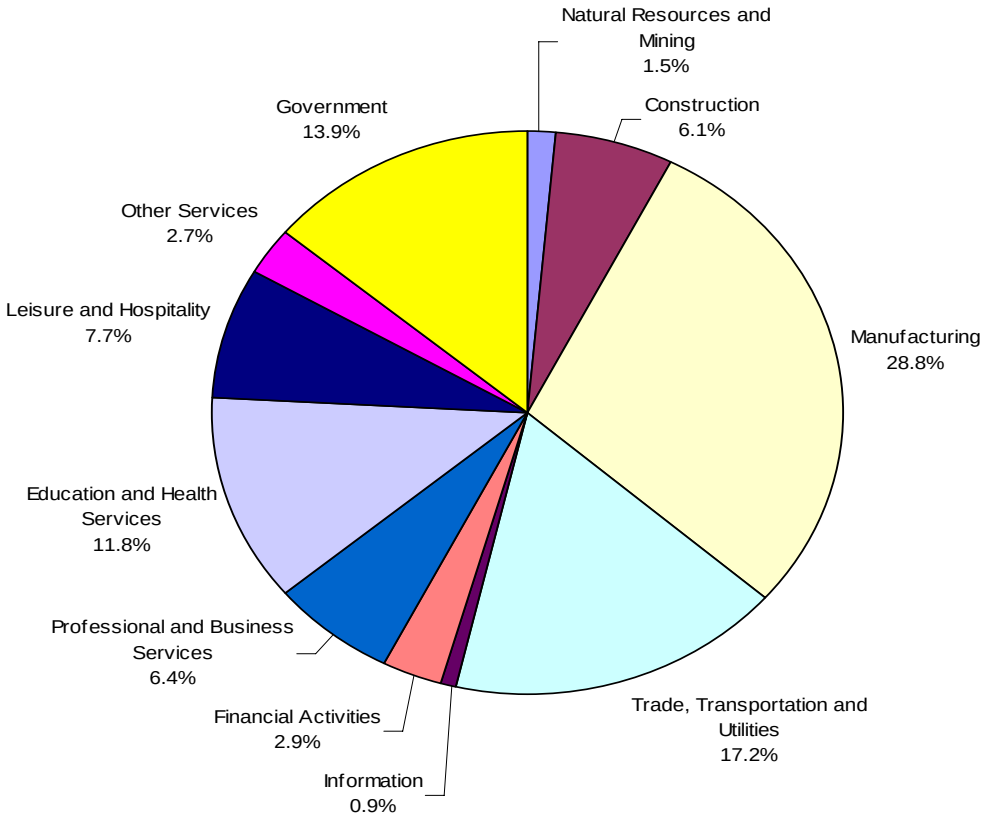
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
U.S.	$23,076	$24,175	$25,334	$26,883	$27,939	$29,845	$30,574	$30,810	$31,484	$33,050
Ohio	$22,495	$23,322	$24,656	$26,017	$26,859	$28,207	$28,601	$29,212	$29,954	$31,161
Employment & Training Connection	$18,740	$19,301	$20,288	$21,305	$21,609	$22,415	$22,971	$23,137	$23,658	$24,679
Ashland	$18,391	$18,845	$20,182	$21,124	$21,359	$22,358	$22,631	$23,116	$23,634	$24,636
Holmes	$14,529	$15,495	$15,831	$16,726	$17,139	$18,094	$19,113	$18,938	$19,595	$20,629
Wayne	$20,331	$20,812	$21,867	$22,976	$23,280	$23,954	$24,500	$24,650	$25,132	$26,176

Building Permits



	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Employment & Training Connection	937	1,005	813	777	689	701	828	836	822	845	966
Ashland	216	218	226	204	223	185	162	215	151	214	358
Holmes	37	36	32	10	5	19	15	29	139	135	142
Wayne	684	751	555	563	461	497	651	592	532	496	466

Industry Employment (QCEW)



Employment Prospects by Industry Sector

2005 Employment	New Jobs: 2000-2005
Manufacturing	Education and Health Services
Education and Health Services	Construction
Local Government	Local Government
Retail Trade	Wholesale Trade
Accommodation and Food Services	Retail Trade
Construction	Finance and Insurance
Wholesale Trade	Accommodation and Food Services
Other Services, except Public Administration	Arts, Entertainment and Recreation
Professional, Scientific and Technical Services	Real Estate and Rental and Leasing
Finance and Insurance	Federal Government
State Government	Other Services, except Public Administration
Information	State Government
Agriculture, Forestry, Fishing and Hunting	Information
Mining	Manufacturing
Arts, Entertainment and Recreation	*Agriculture, Forestry, Fishing and Hunting*
Real Estate and Rental and Leasing	*Mining*
Federal Government	*Professional, Scientific and Technical Services*

Average Weekly Earnings (QCEW)

Industry Sector	2000 Employment	2005 Employment	Net Change	Percent Change	Average Weekly Earnings
Mining	NA	583	NA	NA	$843
Federal Government	506	406	-100	-19.8%	$801
Finance and Insurance	1,863	1,923	60	3.2%	$748
Manufacturing	28,560	24,207	-4,353	-15.2%	$743
Professional, Scientific and Technical Services	NA	1,983	NA	NA	$730
State Government	1,889	1,728	-161	-8.5%	$719
Wholesale Trade	2,496	2,869	373	14.9%	$717
Construction	4,004	5,156	1,152	28.8%	$665
Local Government	8,956	9,572	616	6.9%	$610
Information	1,043	765	-278	-26.7%	$587
Education and Health Services	8,164	9,883	1,719	21.1%	$550
Agriculture, Forestry, Fishing and Hunting	NA	673	NA	NA	$455
Real Estate and Rental and Leasing	508	541	33	6.5%	$444
Retail Trade	9,106	9,276	170	1.9%	$379
Other Services, except Public Administration	2,400	2,262	-138	-5.8%	$352
Arts, Entertainment and Recreation	520	559	39	7.5%	$226
Accommodation and Food Services	5,851	5,890	39	0.7%	$190

NA-Data not available due to confidentiality restrictions.

Types of Data

- Population and Demographics
- Unemployment
- Industry employment
  - Current Employment Statistics (CES)
  - Quarterly Census of Employment & Wages (QCEW)
- Occupational employment
  - Occupational Employment Statistics (OES)
  - Estimate Delivery System (EDS)
- Economic statistics
  - Per capita income
  - Building permits
  - Poverty rates

Quarterly Census of Employment & Wages (QCEW)

- Classified employment published by county
- If all counties for a region are publishable, statistics are mostly summative
  - Ex.: Manufacturing employment in Ashtabula Co. + Mahoning Co. + Trumbull Co. equals manufacturing employment in EDR 12.
- If one county's data is suppressed, the whole region may not be publishable.
  - Smaller regions (2 – 5 counties) lower this likelihood
  - Also beware secondary suppression
- Danger in redefined MSAs
  - Definitions change; historical data does not

Estimates Delivery System (EDS)

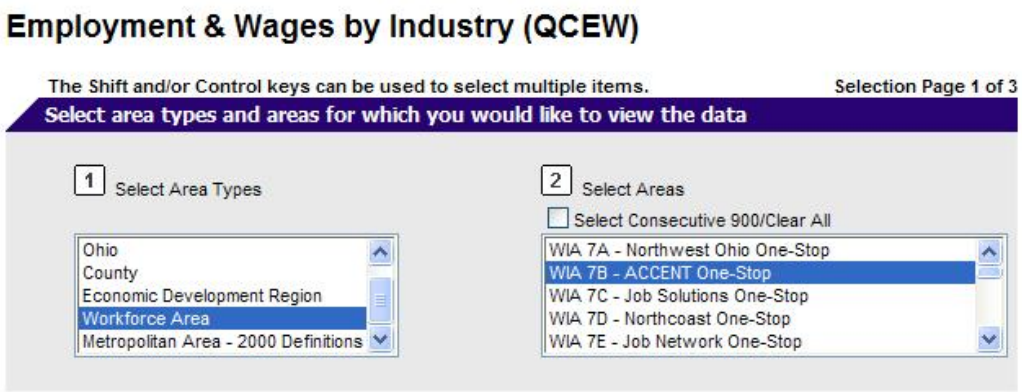
- Method of converting MSA-based OES figures to EDRs or counties.
- Uses MSA figures published by the BLS as a jumping-off point for estimates
- Developed by Tom Price the North Carolina Employment Security Commission
- Data may need to be cleaned (checked for suppression, outliers, etc.) before publication

Other Data Types

- **Population**
  - From the Census Bureau
  - The American Community Survey offers additional information on demographics, income, race, commuting patterns and education
- **Income**
  - From the BEA
  - Total personal income and population may be summed across counties to find per capita income
- **Regional Input-Output Modeling System (RIMS II)**
  - Sophisticated tool for purchase from BEA showing multiplier effects of industries
  - Useful for impact analyses or benefit-cost studies

Publishing your New Figures

- Many statistics are based on simple formulae that are easy to replicate
- One piece of suppressed data may block a whole region
- Reconstruction: balance the need for reliable time-series data with the need for historical records
- Be mindful of data revisions (may open up suppressed regions)
- Substate areas available from Ohio Workforce Informer



How Sub-State Data can Work

- Present detailed analyses of local areas around the state
  - WIA boards
  - Substate regions for ETA deliverables
  - Special geographies (e.g., Appalachia)
  - WIRED initiatives
  - Other state research projects
- Encourage analysts to think beyond political boundaries, even outside the state
- Clear presentation is key to impacting decisions

Additional Resources

- **Office of Workforce Development**
  1-888-2WORK-411

- **Labor Market Information Classic website**
  http://lmi.state.oh.us

- **Ohio Workforce Informer website**
  http://www.OhioWorkforceInformer.org

- **More questions?**
  Larry Less: lessl@odjfs.state.oh.us
  614-466-9824

Questions?